

# Paediatric Suction Units, Electrical Humidification and Respiratory Consumables - Clinical Criteria



This criteria has been developed in consultation with expert clinicians and is based on available evidence at the time of development. This document is designed to specify the criteria to access assistance through EnableNSW for this group of assistive technology, and provide a basis for consistent and transparent decision making.

<b>Included Equipment</b>	
Suction unit pack (including tubing and filters). A second suction unit will be considered for children who are invasively ventilated continuously	1 only
Manual suction unit where requested as a back-up for the primary suction unit	1 only
Electrical humidification unit for use with ventilation – with electrical adaptors, temperature probes. A second humidification unit will be considered for children who are invasively ventilated continuously	1 only
Test Lung for children who are invasively ventilated continuously	1 only
Manometer for children with a cuffed tracheostomy	1 only
<b>Included Ventilation Consumables</b>	
<b>N.B. This is the standard annual allocation. Actual quantity may vary depending on packaging.</b>	
Disposable wet circuit only	Disposable: 52/yr
Disposable dry circuit only <b>OR</b> Non-disposable dry circuit only	Disposable: 52/yr <b>OR</b> Non-Disposable: 3/yr
Disposable wet <b>AND</b> Disposable dry circuit <b>OR</b> Disposable wet <b>AND</b> Non-disposable dry circuit	Disposable: 26 wet/yr <b>AND</b> Disposable: 26 dry/yr <b>OR</b> Disposable: 26 wet/yr <b>AND</b> Non-Disposable: 3/yr
Humidifier chamber	As per circuit supply
Ventilator Circuit Accessories e.g. Catheter mount, connectors and elbows, adaptors etc.	Disposable: 12/yr <b>OR</b> Non-Disposable: 3/yr
Water bag for invasive ventilation	12/yr
Manual resuscitator (disposable) for children who are on life support ventilation	1/yr
<b>Suction Consumables</b>	
Y suction catheter	Up to 2160/yr
<b>Tracheostomy Consumables – Recurrent supply</b>	
Heat Moisture Exchangers (HME)	365/year
Tracheostomy tubes (tracheostomy tube kits may include inner cannulas and tapes)	Non-disposable: 3/yr <b>OR</b> Disposable Adult: 12/yr <b>OR</b> Disposable Paeds: 52/yr
Tracheostomy inner cannula (if not included in trache tube kit)	Disposable Adult: 12/yr <b>OR</b> Disposable Paeds: 52/yr
10ml syringe for use with a cuffed tracheostomy tube (cuff deflation)	1 x box of 100 once only
Tracheostomy securing equipment (If not included in kit): Velcro Tapes (neck strap) <b>OR</b> Cotton Tape	20/yr <b>OR</b> 1 roll/yr
Speaking Valves	3/yr
<b>Exclusions</b>	
<ul style="list-style-type: none"> <li>• Humidification equipment that is not for use in conjunction with ventilation equipment</li> <li>• Yankuer suckers</li> <li>• Nebulisers, Cough-assist equipment and associated consumables</li> <li>• Tracheostomy tubes for tube changes as an admitted patient</li> <li>• Children who have a short term need for equipment and consumables (less than 12 months)</li> <li>• Allocation over and above the listed annual supply</li> <li>• Suction equipment and consumables for short term, intermittent, episodic or emergency use</li> <li>• Children in hospital whose respiratory condition have not stabilised and/or require the equipment for discharge</li> <li>• Equipment and consumables for the first month after a child has been discharged</li> </ul>	

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<b>Contracts in place</b>
<ul style="list-style-type: none"> <li>• 956 Electromedical</li> <li>• 318 Respiratory Consumables</li> <li>• 914 Anaesthetic consumables</li> </ul>
<b>Ineligible Groups</b>
<p>Children who are eligible for services and equipment from any of the following will not be eligible to receive equipment through EnableNSW (see EnableNSW Policy).</p> <ul style="list-style-type: none"> <li>• ADHC owned and operated supported accommodation facility or services</li> <li>• Respite or temporary care facilities</li> <li>• Lifetime Care and Support Authority</li> <li>• Dust Disease Board</li> <li>• Third party/Worker's Compensation/other compensation related to the injury/disease</li> <li>• Consumers in hospital whose respiratory condition has not stabilised and/or require the equipment for discharge</li> </ul>
<b>Eligible Prescribers</b>
<p>The primary prescribing team may include: Paediatric specialist physician in respiratory medicine, sleep medicine, spinal cord injury or intensive care in consultation with the multidisciplinary care team (e.g. nurse practitioners, clinical nurse consultant, clinical nurse specialist, occupational therapists, physiotherapist, biomedical engineer, speech pathologists).</p> <p>It is recommended that a multidisciplinary service advise on the child's setup, equipment requirements. Centres with limited or no experience with the management of complex, ventilator dependent children should liaise with a recognised tertiary institution to assist in planning home discharge.</p>
<b>Recommended Review Timeline</b>
<p>It is recommended that a review is performed every 6-12 months, or as determined by the stability of the underlying clinical condition and where there are changes in products required.</p> <p>Reviews may be conducted in a variety of settings e.g. Home, clinic or hospital admission.</p>
<b>Other Considerations</b>
<p>If the child is prescribed other items of respiratory equipment e.g. ventilation, a separate equipment request will need to be made for those products as per the relevant equipment Clinical Criteria</p> <p>All Clinical Criteria can be found on the EnableNSW website.</p>
<b>Transition to adult services</b>
<p>Requests for a person older than 16 should apply for through the Adult Suction Units, Electrical humidification and Respiratory Consumables Clinical Criteria. In circumstances where a young person is aged between 16 -18 and their respiratory care is managed by a paediatric service, requests will be assessed against Paediatric Clinical Criteria where requested by the prescriber.</p>
<b>EQUIPMENT ELIGIBILITY</b>
<p>This Clinical Criteria refers to children/young people ≤ 16 years of age with a demonstrated long term need (≥ 12 months) for respiratory equipment and consumables with regular and frequent usage on a daily basis.</p> <p><b>Suction Units (airway bypassed)</b></p> <ul style="list-style-type: none"> <li>• The child is unable to maintain their airway and independently clear secretions <b>AND</b></li> <li>• The child/carer is competent in the use of the equipment</li> </ul> <p><b>Suction Units (airway not bypassed)</b></p> <ul style="list-style-type: none"> <li>• The child is unable to maintain their airway and independently clear secretions <b>AND</b></li> <li>• The child/carer is competent in the use of the equipment <b>AND</b></li> <li>• A 2-week usage log of a trial with the equipment which documents             <ol style="list-style-type: none"> <li>i) The reason for each suction episode</li> <li>ii) The number of suction episodes per day, including date and time</li> </ol> </li> </ul>

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## Tracheostomy Tubes, HME's and attachments

- The child will require the prescribed equipment on a long term basis ( $\geq 12$  months) **AND**
- The trache tubes will not be changed in hospital (as an admitted patient) **AND**
- A minimum 2 week trial on the equipment ensuring it is effective and compatible with other equipment

## Customised Tubes

- Each new or repeat order requires the submission of a new prescription proforma/template (available from the supplier)

## Ventilation related equipment/consumables

- Must be eligible to receive ventilation equipment via EnableNSW

## Electrical Humidification for use with ventilation equipment

- The child is ventilated continuously ( $\geq 16$ hrs/day invasively or non-invasively) or ventilated invasively nocturnally ( $\geq 6$ hrs/night) **AND**
- The child/carer is competent in the use of the equipment **AND**
- A trial has been completed in conjunction with the ventilator trial

### The responsibility of the Prescribing/clinical team is to ensure that:

#### Social/carer factors

- The child and/or relevant users (Family/carers) have been trained by the clinical team and are capable of using the equipment safely and appropriately, including basic equipment care and trouble shooting
- The child will comply with equipment usage as prescribed
- Information is provided to the child about their ongoing treatment plan, clinical review and assessment requirements in relation to mechanical ventilation/secretion management. This may include information about regular follow-up as per the Recommended Review Timeline

#### Equipment factors

- Any change to the prescription (change in size, ventilation circuits or catheters etc.) is to be communicated to all relevant parties including EnableNSW
- EnableNSW is contacted if the equipment is no longer required. EnableNSW can be contacted to coordinate repairs and/or replacement within business hours (9am-5pm, Monday-Friday)  
NB: EnableNSW and contracted equipment suppliers do not provide a 24 hour equipment support contact line
- The child and/or carer has an emergency plan in the event of respiratory equipment failure outside of business hours

#### Environmental factors

- The equipment prescribed is compatible with the child's home environment and is suitable for safe management of the child in the community

### The responsibility of EnableNSW is to ensure that:

The equipment supplier arrangements include:

- Appropriate equipment and/or consumables that meets the child's clinical and safety needs as per the prescription
- Delivery of the equipment to the child or Health Service
- Delivery of consumables to the child's home
- The provision of equipment that complies with the Therapeutic Goods Act (TGA) and has a valid Australian Register of Therapeutic Goods (ARTG) number
- A contractual service and preventative maintenance agreement for equipment as per manufacturer's recommendations including provision of an identical loan unit if equipment is to be removed for repair, maintenance or testing
- The collection of serial numbers/service history of the equipment